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l	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
•	10/516,314	10/24/2005	Atsushi Miyawaki	P26360	4623
		7590 02/28/200 & BERNSTEIN, P.L.		EXAM	INER
	1950 ROLAND	CLARKE PLACE		LEE, JAE W	AE W
	RESTON, VA	20191		ART UNIT	PAPER NUMBER
				1656	· · · · · · · · · · · · · · · · · · ·
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L	SHORTENED STATUTOR	Y PERIOD OF RESPONSE	NOTIFICATION DATE	DELIVER	Y MODE
Ī	31 D	PAYS	02/28/2007	ELECT	RONIC

## Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Notice of this Office communication was sent electronically on the above-indicated "Notification Date" and has a shortened statutory period for reply of 31 DAYS from 02/28/2007.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

gbpatent@gbpatent.com pto@gbpatent.com

S. Patent and Trademark Office			
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date	Pape 5) Notic	iew Summary (PTO-413) No(s)/Mail Date e of Informal Patent Application :	
Attachment(s)			
* See the attached detailed Office action for a lis	scorule centiled copies	not received.	•
application from the International Bure		not received	
3. Copies of the certified copies of the pri	-	een received in this National Stage	е
2. Certified copies of the priority docume			
1. Certified copies of the priority docume			
a) ☐ All b) ☐ Some * c) ☐ None of:			
12)☐ Acknowledgment is made of a claim for foreig	n priority under 35 U.S	.C. § 119(a)-(d) or (f).	
Priority under 35 U.S.C. § 119	·		
11) The oath or declaration is objected to by the I	Examiner. Note the atta	ched Office Action or form PTO-15	52.
Replacement drawing sheet(s) including the corre			
Applicant may not request that any objection to the		-	
10)☐ The drawing(s) filed on is/are: a)☐ ad	ccepted or b) dbjecte	d to by the Examiner.	
9)☐ The specification is objected to by the Examir	ner.	•	
Application Papers	•		
8) Claim(s) <u>1-10</u> are subject to restriction and/o	r election requirement.		
7) Claim(s) is/are objected to.			
6) Claim(s) is/are rejected.			
5) Claim(s) is/are allowed.	·		
4a) Of the above claim(s) is/are withdr	awn from consideration		
4) Claim(s) 1-10 is/are pending in the application	n.		
Disposition of Claims			
·	Lx parte Quayle, 1990	C.D. 11, 433 O.G. 213.	
closed in accordance with the practice under			115 15
3) Since this application is in condition for allow		matters prosecution as to the mor	ito io
1) Responsive to communication(s) filed on 2a) This action is <b>FINAL</b> . 2b) ⊠ Th	 nis action is non-final.		
	•		
Status			
WHICHEVER IS LONGER, FROM THE MAILING  - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory perior.  - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the main earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMM 1.136(a). In no event, however, no ind will apply and will expire SIX (6 ute, cause the application to become	UNICATION.  Nay a reply be timely filed  MONTHS from the mailing date of this communities  MONTHS from the MONTH file  MONTH file  MONTH from the MONTH file  MONTH from the MONTH file  MONTH file  MONTH from the MONTH file  MONT	
A SHORTENED STATUTORY PERIOD FOR REP	LY IS SET TO EXPIRE	1 MONTH(S) OR THIRTY (30) DA	AYS.
The MAILING DATE of this communication a Period for Reply	ppears on the cover she	et with the correspondence address	S
The MAN INC DATE CHI	Jae W. Lee	1656	
Office Action Summary	Examiner	Art Unit	
<b></b>	10/516,314	MIYAWAKI ET AL.	
	Application No.	Applicant(s)	

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### **DETAILED ACTION**

### Application status

Claims 1-10 are pending in the instant application.

#### Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1, 2 and 10, drawn to a chromoprotein.

Group II, claim(s) 3-7 and 10, drawn to a DNA encoding the protein of claim 1, a recombinant vector having the DNA of claim 4, and a transformant having the DNA of claim 4.

Group III, claim(s) 8 and 10, drawn to a fusion protein.

Group IV, claim(s) 9, drawn to a method for analyzing a physiologically active substance.

The inventions listed as Groups I-IV do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Where a group of inventions is claimed in an application, the requirement of unity of invention shall be fulfilled only when there is a technical relationship among those inventions involving one or more of the same or corresponding special technical features. The expression

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"special technical features" shall mean those technical features that define a contribution which each of the claimed inventions, considered as a whole, makes over the prior art. Mizuno et al. (Biochemistry, 2001, 40, pg. 2502-2510) teach a red fluorescent protein from *Discosoma* as a fusion tag and a partner for FRET, which corresponds to the invention of Group I, in the recitation of "a chromoprotein having either one of the following amino acid sequences: (a) the amino acid sequence shown in SEQ ID NO: 1; and (b) an amino acid sequence comprising a deletion, substitution and/or addition of one or several amino acids with respect to the amino acid sequence shown in SEQ ID NO: 1, and having light-absorbing properties.," and thus, the shared technical feature of the groups is not a "special technical feature", unity of invention between the groups does not exist.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Because these inventions are unrelated and distinct for the reasons given above, have acquired a separate status in the art as shown by their different classification, and the literature and sequence searches required for each of the Group is not required for another thereby presenting a search burden on the Examiner, restriction for examination purposes as indicated is proper.

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Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(I).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jae W. Lee whose telephone number is 571-272-9949. The examiner can normally be reached on 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kathleen K. Bragdon can be reached on 571-272-0931. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

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USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Patent Examiner: Jae W. Lee, Ph.D.

RICHARD HUTSON, PH.D. PRIMARY EXAMINER